

Abstract of the Disclosure

A dual mode mirror imaging system comprising a Cassegrain-type objective assembly having a primary mirror with a hole in its center and a secondary mirror spaced in front of the primary mirror, and imager optics disposed in the hole. The secondary mirror is adapted to receive laser wavelength light and infrared wavelength light reflected from the primary mirror and to reflect the light back through the imager optics to a focal plane. The secondary mirror has one reflecting surface for the laser light and another reflecting surface for the infrared light. The pair of reflecting surfaces is positioned to change the optical path length between the laser light and the infrared light so that the laser light and the infrared light are imaged at the same focal plane without defocusing.